



Data~Master for Windows

IBM-PC control of the AOR AR7030 & AR3030 short wave receivers

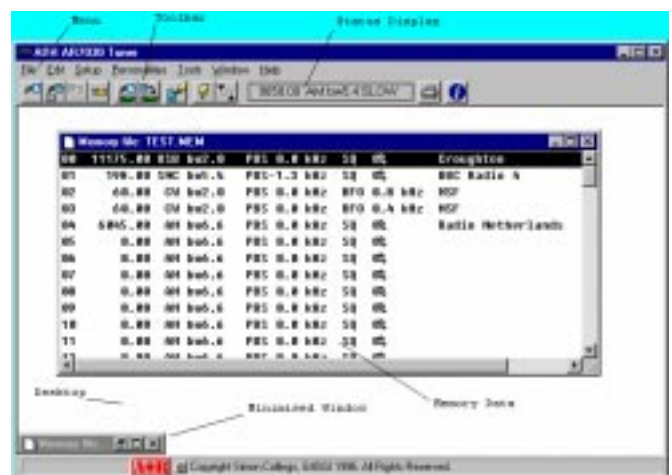
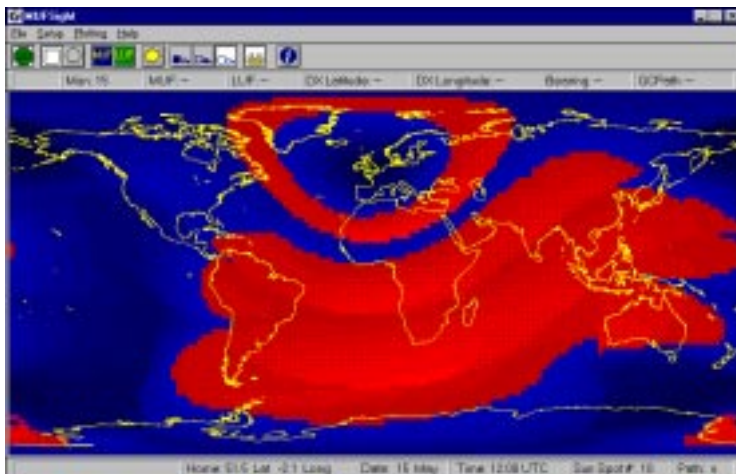
DATA MASTER is a Windows based PC package which provides RS-232 control applications for each receiver, an AOR badged version of the MUFsight propagation prediction utility and the AOR Data Base Toolkit. A manual with over 100 pages accompanies the set of distribution disks and you get nearly 10M bytes of programs and data installed onto your system! The Tuner applications use the multiple document interface for displaying and editing radio

memory data. This also includes a status display on the toolbar and simple frequency and mode tuning. The AR3030 Tuner program has an AR3030 front panel window for a virtual receiver on your computer desktop. The

AR7030 Tuner boasts three front panel personalities which provide a flexible and enjoyable way to tune your radio. Each radio personality has hot-spots which you simply click on with your mouse to operate the radio. What could be simpler! Controls are animated where appropriate (eg rotary controls, tuning, etc...). Moving needle S-meter displays are active at all times (except when transferring

memory data). The data base tool kit is a sophisticated radio data management system that is fully integrated with the control software. It is enhanced with the merging of geographical data with transmitter details so that it is possible to plot extracts of data on maps for point-and-click tuning. The picture above illustrates how transmitter data can be plotted on a spherical projection world map. AOR Data Base Toolkit is a suite of compiled Visual dBase applications that interact intimately with the control software for the maximum in performance. The data base has the following exciting features:

- SWL Logbook: picks up frequency and mode from control software; records include: start/end time, date, frequency, ID, mode, report, comment and (optional) audio entered by drag and drop (OLE)
- HF Broadcast Stations: includes full frequency, time and geographical data for export in text format. "What's On...?" query for extracting station details for transmitters on the air within user specified times. Over 1700 entries are included in the data base gathered from sources on the Internet.
- HF Utilities: HF FAX and beacons; Over 400 entries covering stations from all over the globe
- VHF/UHF: Beacons on VHF/UHF (over 390 entries); UK version includes medium wave and Band II VHF broadcasters too (over 1800 entries).
- Comprehensive lists of over 3700 British Isles and 6200 World Place names for fusing transmitter details with geographical data - achieved using the latest sophisticated relational data base techniques
- Full search facilities including dBase expression builder (extract precisely the data you want eg only those stations which are HF FAX using LSB; or extract all transmitters from Quito, Ecuador)





Key Features

- Tuner applications for both AR3030 and AR7030 supplied.
- Easy to use intuitive windowing system with tile and cascade. You may have any number of memory data files of 100 channels as you wish (disk space permitting).
- Comprehensive editing features for memory data including intelligent cut/paste and line renumbering
- On-line context sensitive help. You may obtain help from the main menu and in all dialogs. Help is also available from the desktop simply by pressing the F1 key.
- AR3030 Tuner provides a realistic front panel display (complete with needle s-meter) for a realistic "virtual" AR3030 on your PC. AR7030 Tuner has three personalities: classic analogue desktop, travel portable (with band search), digital desktop (with full status display).
- Import text reports from the AOR Data Base Toolkit, plot transmitter data on a spherical projection world map from any vantage point and tune using a point and click interface
- Obtain on-line instant HF propagation predictions using MUFsight; display those parts of the world that are audible on a world map. MUFsight can automatically read the current operating frequency from either AR7030 Tuner or AR3030 Tuner before plotting predictions.
- Send memory data to your radio or get data from your radio and print it out.
- Selective memory scan; frequency search with display of the spectrum, measure frequency and signal strength with your mouse
- Access G4SGI SWL working aids on the subjects of foreign language recognition, propagation, modulation and the international bandplan (Windows format help files only)
- Convert your AR3030 Concerto memory data to the new format (AR3030 Tuner only)
- Send memory files as e-mail over the Internet or FAX through Microsoft Exchange
- AOR digital clock displays local time and GMT
- AR7030 Tuner allows remote switch on/off of the radio and the radio's internal clock to be set

Download demos of the tuner applications are available via a link on our web site:-
<http://www.demon.co.uk/aor>

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Minimum System Requirements

Computer

- ✓ Pentium P60 or above (needed for map drawing, slower machines can be used but with a speed penalty while maps are being rendered)
- ✓ 8M bytes of memory or more (16M bytes recommended)
- ✓ Microsoft® mouse (or compatible)
- ✓ at least two RS-232 serial ports (one for mouse)
- ✓ 4.4 Mbytes of free disk space (control software); 5.3M bytes of disk space (data base)
- ✓ 3.5 inch floppy disk drive A

Software

- ✓ Microsoft® Windows® 95 . Windows NT is not currently supported.

Options

- ✓ Printer (optional)

Radio

- ✓ An AR3030 or AR7030 HF communications receiver with suitable RS-232 cabling (not supplied)

